

Converting Colors

$Yxy(85.8635, 0.3332, 0.3701)$

Have a look what the booklet for
Yxy(85.8635, 0.3332, 0.3701)
contains.

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Color

Yxy(85.6489, 0.3328, 0.3696)

Conversions

Conversions Part 1

Format	Color
Hex	ECF2CB
RGB	236, 242, 203
RGB Percent	93%, 95%, 80%
CMY	0.0745, 0.0509, 0.2039
CMYK	0.02, 0.00, 0.16, 0.05
HSL	69°, 60%, 87%
HSV	69°, 16%, 95%
XYZ	77.1211, 85.6489, 68.9640
YIQ	235.7600, 8.9430, -13.4010

Conversions

Conversions Part 2

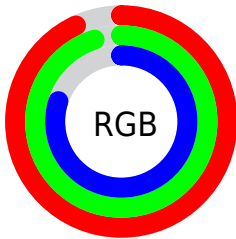
Format	Color
R_{YB}	203, 242, 209
Decimal	15528651
CIE _{Lab}	94.16, -8.48, 18.18
CIE _{LCh}	94, 20.058, 115.019
Yxy	85.6489, 0.3328, 0.3696
Android (android.graphics.Color)	4293718731 (0xFFE2F2CB)
YUV	235.7600, -16.1507, 0.2105
Hunter-Lab	92.5467, -13.2089, 20.6009

Details

The Yxy color **85.6489, 0.3328, 0.3696** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.6791, 0.2906, 0.2861**, and the grayscale version is **83.8095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9910, 0.3369, 0.3787** is the 20% darker color. If you saturate the color by 10%, you get **83.9552, 0.3453, 0.3959**, and if you desaturate by 10%, it is **87.5436, 0.3203, 0.3440**.

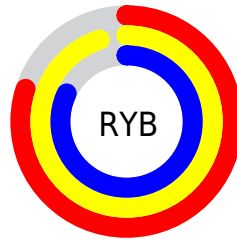
Distribution



Red (93%)

Green (95%)

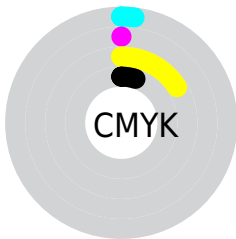
Blue (80%)



Red (80%)

Yellow (95%)

Blue (82%)

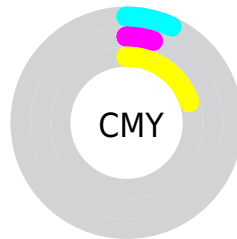


Cyan (2%)

Magenta (0%)

Yellow (16%)

Black (5%)



Cyan (7%)

Magenta (5%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.6489, 0.3328, 0.3696 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 85.6489, 0.3328, 0.3696 by changing the saturation by 10% instead.

85.6489, 0.3328,
0.3696

85.6489, 0.3328,
0.3696

513.7728, 0.3239,
0.3511

64.3777, 0.3347,
0.3738

141.2794, 0.3298,
0.3632

46.9566, 0.3370,
0.3789

176.4075, 0.3286,
0.3607

33.0014, 0.3399,
0.3853

216.9234, 0.3276,
0.3586

22.1275, 0.3435,
0.3936

263.2114, 0.3267,
0.3567

13.9506, 0.3481,
0.4047

315.6560, 0.3259,
0.3550

8.0863, 0.3543,
0.4203


374.6414, 0.3252,


4.1502, 0.3626,


0.3536


0.4436


440.5523, 0.3245,
0.3523


 1.7580, 0.3834,
0.4940


 0.4608, 0.3338,
0.6662


 85.6489, 0.3328,
0.3696


 85.6489, 0.3328,
0.3696


 83.9552, 0.3453,
0.3959


 87.5436, 0.3203,
0.3440


 82.4428, 0.3574,
0.4221


 89.6358, 0.3080,
0.3197


 81.1064, 0.3684,
0.4474


 90.5381, 0.3083,
0.3163


 79.9361, 0.3780,
0.4706


 91.2241, 0.3107,
0.3164


 78.9210, 0.3854,
0.4906


 91.9239, 0.3131,
0.3165

 78.0486, 0.3903,
0.5067

 91.9895, 0.3133,
0.3166

 77.3045, 0.3926,
0.5181

 76.6710, 0.3924,
0.5251

 76.4439, 0.3919,
0.5270

Harmonies

Analogous

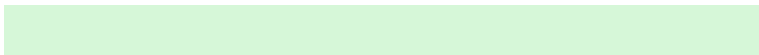
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6489, 0.3506, 0.3648



85.6489, 0.3328, 0.3696



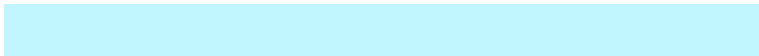
85.6489, 0.3101, 0.3626

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6489, 0.3328, 0.3696



85.6489, 0.2693, 0.3049



85.6489, 0.3367, 0.3130

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



85.6489, 0.3328, 0.3696



62.6791, 0.2906, 0.2861

Split Complementary

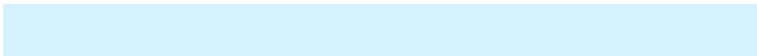
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.6489, 0.3141, 0.2984



85.6489, 0.3328, 0.3696



85.6489, 0.2757, 0.2933

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.6489, 0.3328, 0.3696



85.6489, 0.2739, 0.3240



85.6489, 0.2918, 0.2912



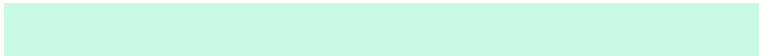
85.6489, 0.3531, 0.3319

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.6489, 0.3328, 0.3696



85.6489, 0.2953, 0.3520



85.6489, 0.2918, 0.2912



85.6489, 0.3295, 0.3075

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



85.6527, 0.3328, 0.3696



98.8348, 0.3189, 0.3413



68.7172, 0.3424, 0.3353



21.1206, 0.3198, 0.3430



0.0000, 0.0000, 0.0000



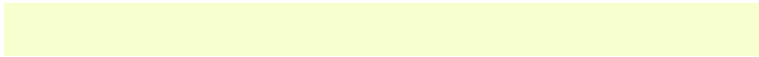
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6527, 0.3328, 0.3696



95.8733, 0.3365, 0.3773



82.5194, 0.3197, 0.3713



18.3284, 0.3244, 0.3525



41.1118, 0.3924, 0.5267



3.4531, 0.3961, 0.5237

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



62.6791, 0.2906, 0.2861



65.9274, 0.2861, 0.2774



65.6739, 0.3045, 0.2878



15.3457, 0.3003, 0.3047



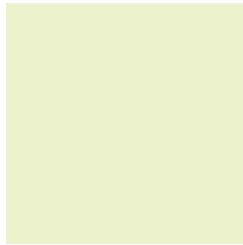
3.6953, 0.1564, 0.0635



0.3423, 0.1668, 0.0692

Previews

White Background



This preview shows how the Yxy color 85.6489, 0.3328, 0.3696 looks on a white background.

Color Contrast Check

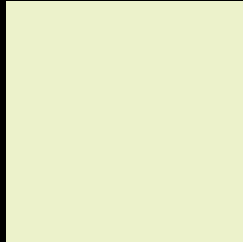
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 85.6489, 0.3328, 0.3696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

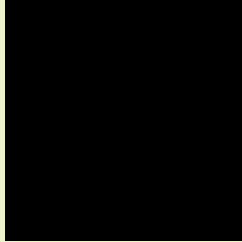
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

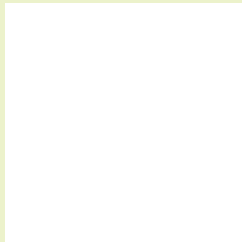
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.6489, 0.3328, 0.3696

Background



This preview shows how black text looks on a background with the Yxy color 85.6489, 0.3328, 0.3696.

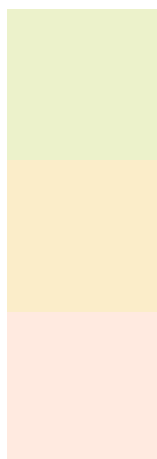


This preview shows how white text looks on a background with the Yxy color 85.6489, 0.3328, 0.3696.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

85.6489, 0.3328, 0.3696

Protanopia

85.2946, 0.3454, 0.3655

Deuteranopia

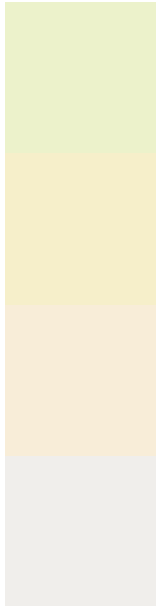
85.4875, 0.3335, 0.3390



Tritanopia

85.5632, 0.3070, 0.3112

Trichromacy



Original Color

85.6489, 0.3328, 0.3696

Protanomaly

85.5901, 0.3409, 0.3668

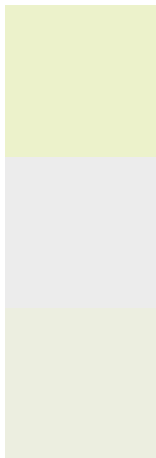
Deuteranomaly

85.4827, 0.3335, 0.3503

Tritanomaly

85.6725, 0.3159, 0.3320

Monochromacy



Original Color

85.6489, 0.3328, 0.3696

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.3638, 0.3201, 0.3434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6489, 0.3328, 0.3696 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(236, 242, 203)` looks like.

```
.text, #text, p{  
    color:rgb(236, 242, 203)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(236, 242, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 242, 203) }
```

Border

The CSS property to change the border of an element to Yxy 85.6489, 0.3328, 0.3696 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(236, 242, 203) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(236, 242, 203) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(236, 242, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 242, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 242, 203);  
box-shadow:4px 4px 4px 4px rgb(236, 242,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6489, 0.3328, 0.3696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 242, 203) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(236,  
242, 203) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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